SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Synaptotagmin XII antibody

Catalog Number: SL11398R

FOR RESEARCH USE ONLY

[DATASHEET]

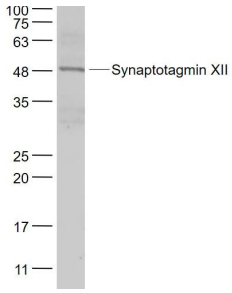
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Synaptotagmin XII
Immunogen:	KLH conjugated synthetic peptide derived from human Synaptotagmin XII: 301-350/421
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 Flow-Cyt=2ug/Test （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human (predicted:Mouse,Rat,Dog,Pig,Rabbit,Sheep)
Predicted MW.:	47kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	This gene is a member of the synaptotagmin gene family and encodes a protein similar to other family members that mediate calcium-dependent regulation of membrane trafficking in synaptic transmission. Studies of the orthologous gene in rat have shown that the encoded protein selectively modulates spontaneous synaptic-vesicle exocytosis and may also be involved in regulating calcium independent secretion in nonneuronal cells. Alternative splicing results in multiple transcript variants. The gene has previously been referred to as synaptotagmin XI but has been renamed synaptotagmin XII to be standard with mouse and rat official nomenclature. **Function:** May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis.

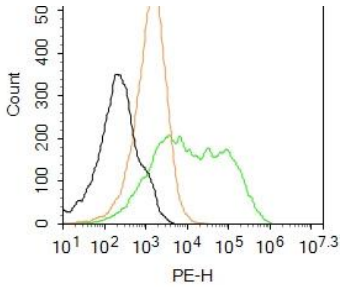
Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Subunit: Homodimer. Can also form heterodimers **Subcellular Location:** Cytoplasmic vesicle > secretory vesicle > synaptic vesicle membrane. **Similarity:** Belongs to the synaptotagmin family. Contains 2 C2 domains. **Database links:** UniProtKB/Swiss-Prot: Q8IV01.1

[VALIDATION IMAGES]





Sample:
U-2OS(Human) Cell Lysate at 30 ug
Primary: Anti- Synaptotagmin XII (SL11398R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 47 kD
Observed band size: 48 kD

Blank control:Hela.
Primary Antibody (green line): Rabbit Anti- Synaptotagmin XII antibody (SL11398R)
Dilution: 2μg /10^6 cells;
Isotype Control Antibody (orange line): Rabbit IgG .
Secondary Antibody : Goat anti-rabbit IgG-PE
Dilution: 1μg /test.
Protocol
The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

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